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► Imaging spectrometer/camera having convex grating

US Pat. 6100974 - Filed Sep 15, 1998 - Issued Aug 8, 2000

- California Institute of Technology

In many applications, including remote sensing for **space** and terrestrial **exploration**, it is desirable to measure incoming radiation in narrow spectral ...

[patents.google.com](#)

Instrument and method for X-ray diffraction, fluorescence, and ...

US Pat. 7796726 - Filed Feb 14, 2007 - Issued Sep 14, 2010

- University of Maryland, Baltimore County

23 in front of the XRD/XRF instrument window for **analysis**, such as is shown by way of ... for **space exploration** applications of the XRD/XRF instrument 100, ...

[patents.google.com](#)

Surface enhanced Raman spectroscopic nano-imaging probe and uses ...

US Pat. 7256866 - Filed Jul 21, 2005 - Issued Aug 14, 2007

- University of Maryland at Baltimore County

Recently, surface enhanced Raman **spectroscopy** (SERS) also has been employed for ... the detected Raman scattered radiation as a Raman spectral **image**. ...

[patents.google.com](#)

Microchannel plate with segmented mounting pads

US Pat. App. 11217873 - Filed Sep 1, 2005

[0005] MicroChannel plates were originally developed for **image** ... Mass **spectrometers** with parts per billion **analysis** capabilities only function when ...

[patents.google.com](#)

OPTICAL PROBE PREFERABLY FOR SPECTROMETRIC ANALYSES

US Pat. App. 12856361 - Filed Aug 13, 2010

BACKGROUND OF THE INVENTION [0003] In **space** applications, such as, for example, in missions for carrying out **exploration** on the planet Mars, vehicles for ...

[patents.google.com](#)

PREFERABLY MINIATURIZED OPTICAL TRANSFER DEVICE

US Pat. App. 12856362 - Filed Aug 13, 2010

BACKGROUND OF THE INVENTION [0003] In **space** applications, ... for example, by a **spectrometer** (not illustrated) for carrying out a stratigraphic **analysis**. ...

[patents.google.com](#)

Hyper-spectral imaging methods and devices

US Pat. App. 11075256 - Filed Mar 7, 2006

[0112] fast local-orthogonal component **analysis** algorithm for quick data **exploration**. [0113] Advantages of the present invention include, but not limited to ...

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